STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/533,144A
Source: IFW0
Date Processed by STIC: 12/28/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO **REDUCE** ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>, **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):** U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

IFWO

RAW SEQUENCE LISTING DATE: 12/28/2006
PATENT APPLICATION: **US/10/533,144A** TIME: 10:18:24

Input Set : **F:\seqlist.txt**
Output Set: **N:\CRF4\12282006\J533144A.raw**

```
 4 <110> APPLICANT: MASUDA, ESTEBAN
 6 <120> TITLE OF INVENTION: METHODS OF SCREENING CYCLIC PEPTIDES AND
 7       IDENTIFYING TARGETS THEREFOR
10 <130> FILE REFERENCE: RIGL-023
12 <140> CURRENT APPLICATION NUMBER: 10/533,144A
13 <141> CURRENT FILING DATE: 2005-04-27
15 <150> PRIOR APPLICATION NUMBER: US03/27370
16 <151> PRIOR FILING DATE: 2003-08-30
18 <150> PRIOR APPLICATION NUMBER: 60/407,385
19 <151> PRIOR FILING DATE: 2002-08-30
21 <160> NUMBER OF SEQ ID NOS: 4
23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 1227
27 <212> TYPE: DNA
28 <213> ORGANISM: Artificial Sequence
30 <220> FEATURE:
31 <223> OTHER INFORMATION: synthetic oligonucleotide
33 <220> FEATURE:
34 <221> NAME/KEY: CDS
35 <222> LOCATION: (1)...(1227)
37 <220> FEATURE:
38 <221> NAME/KEY: misc_feature
39 <222> LOCATION: 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171
40 <223> OTHER INFORMATION: n = A,T,C or G
42 <400> SEQUENCE: 1
43 atg gag agc ggc agc ccc gag atc gag aag ctg agt cag agc gac atc   48
44 Met Glu Ser Gly Ser Pro Glu Ile Glu Lys Leu Ser Gln Ser Asp Ile
45  1               5                  10                  15
47 tac tgg gac agc atg gtg agc atc acc gag acc ggc gtg gag gag gtg   96
48 Tyr Trp Asp Ser Met Val Ser Ile Thr Glu Thr Gly Val Glu Glu Val
49              20                  25                  30
51 ttc gac ctg acc gtg ccc ggc ccc cac aac ttc gtg gcc aac gac atc   144
52 Phe Asp Leu Thr Val Pro Gly Pro His Asn Phe Val Ala Asn Asp Ile
53          35                  40                  45
W--> 55 atc gtc cac aac agc nnn nnn nnn nnn tgc atc agc ggc gac agc ctg   192
56 Ile Val His Asn Ser Xaa Xaa Xaa Xaa Cys Ile Ser Gly Asp Ser Leu
57      50                  55                  60
59 atc agc ctg gcc agc acc ggc aag agg gtg agc atc aag gac ctg ctg   240
60 Ile Ser Leu Ala Ser Thr Gly Lys Arg Val Ser Ile Lys Asp Leu Leu
61  65                  70                  75                  80
63 gac gag aag gac ttc gag atc tgg gcc atc aac gag cag acc atg aag   288
64 Asp Glu Lys Asp Phe Glu Ile Trp Ala Ile Asn Glu Gln Thr Met Lys
```

Does Not Comply
Corrected Diskette Needed

see p. 3

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Input Set : **F:\seqlist.txt**
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```
65                  85                  90                  95
67 cta gag agc gcc aag gtg agc agg gtg ttc tgc acc ggc aag aag cta   336
68 Leu Glu Ser Ala Lys Val Ser Arg Val Phe Cys Thr Gly Lys Lys Leu
69             100                 105                 110
71 gtg tac atc cta aga acc agg cta ggc agg acc atc aag gcc acc gcc   384
72 Val Tyr Ile Leu Arg Thr Arg Leu Gly Arg Thr Ile Lys Ala Thr Ala
73         115                 120                 125
75 aac cac agg ttc cta acc atc gac ggc tgg aag agg cta gac gag cta   432
76 Asn His Arg Phe Leu Thr Ile Asp Gly Trp Lys Arg Leu Asp Glu Leu
77     130                 135                 140
79 agc cta aag gag cac atc gcc cta ccc cgg aag cta gag agc agc agc   480
80 Ser Leu Lys Glu His Ile Ala Leu Pro Arg Lys Leu Glu Ser Ser Ser
81 145                 150                 155                 160
83 cta cag cta ggc ctc cgc ggc cag atc gat gtg agc aag ggc gag gag   528
84 Leu Gln Leu Gly Leu Arg Gly Gln Ile Asp Val Ser Lys Gly Glu Glu
85                 165                 170                 175
87 ctg ttc acc ggg gtg gtg ccc atc ctg gtc gag ctg gac ggc gac gta   576
88 Leu Phe Thr Gly Val Val Pro Ile Leu Val Glu Leu Asp Gly Asp Val
89             180                 185                 190
91 aac ggc cac aag ttc agc gtg tcc ggc gag ggc gag ggc gat gcc acc   624
92 Asn Gly His Lys Phe Ser Val Ser Gly Glu Gly Glu Gly Asp Ala Thr
93         195                 200                 205
95 tac ggc aag ctg acc ctg aag ttc atc tgc acc acc ggc aag ctg ccc   672
96 Tyr Gly Lys Leu Thr Leu Lys Phe Ile Cys Thr Thr Gly Lys Leu Pro
97     210                 215                 220
99 gtg ccc tgg ccc acc ctc gtg acc acc ctg acc cac ggc gtg cag tgc   720
100 Val Pro Trp Pro Thr Leu Val Thr Thr Leu Thr His Gly Val Gln Cys
101 225                 230                 235                 240
103 ttc agc cgc tac ccc gac cac atg aag cag cac gac ttc ttc aag tcc   768
104 Phe Ser Arg Tyr Pro Asp His Met Lys Gln His Asp Phe Phe Lys Ser
105                 245                 250                 255
107 gcc atg ccc gaa ggc tac gtc cag gag cgc acc atc ttc ttc aag gac   816
108 Ala Met Pro Glu Gly Tyr Val Gln Glu Arg Thr Ile Phe Phe Lys Asp
109             260                 265                 270
111 gac ggc aac tac aag acc cgc gcc gag gtg aag ttc gag ggc gac acc   864
112 Asp Gly Asn Tyr Lys Thr Arg Ala Glu Val Lys Phe Glu Gly Asp Thr
113         275                 280                 285
115 ctg gtg aac cgc atc gag ctg aag ggc atc gac ttc aag gag gac ggc   912
116 Leu Val Asn Arg Ile Glu Leu Lys Gly Ile Asp Phe Lys Glu Asp Gly
117     290                 295                 300
119 aac atc ctg ggg cac aag ctt gag tac aac ttc aac agc cac aac gtg   960
120 Asn Ile Leu Gly His Lys Leu Glu Tyr Asn Phe Asn Ser His Asn Val
121 305                 310                 315                 320
123 tat atc atg gcc gac aag cag aag aac ggc atc aag gcc aac ttc aag   1008
124 Tyr Ile Met Ala Asp Lys Gln Lys Asn Gly Ile Lys Ala Asn Phe Lys
125                 325                 330                 335
127 atc cgc cac aac atc gag gac gga tcc gtg cag ctc gcc gac cac tac   1056
128 Ile Arg His Asn Ile Glu Asp Gly Ser Val Gln Leu Ala Asp His Tyr
129             340                 345                 350
```

RAW SEQUENCE LISTING DATE: 12/28/2006
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Input Set : **F:\seqlist.txt**
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```
131 cag cag aac acc cca att ggc gac ggg ccc gtg ctg ctg ccc gac aac   1104
132 Gln Gln Asn Thr Pro Ile Gly Asp Gly Pro Val Leu Leu Pro Asp Asn
133         355                 360                 365
135 cac tac ctg agc acc cag agc gct ctt tcg aaa gac ccc aac gag aag   1152
136 His Tyr Leu Ser Thr Gln Ser Ala Leu Ser Lys Asp Pro Asn Glu Lys
137     370                 375                 380
139 cgc gat cat atg gtc ctg ctc gag ttc gtg acc gcc gcc ggg atc act   1200
140 Arg Asp His Met Val Leu Leu Glu Phe Val Thr Ala Ala Gly Ile Thr
141 385                 390                 395                 400
143 ctc ggc atg gac gag ctg tac aag taa                             1227
144 Leu Gly Met Asp Glu Leu Tyr Lys  *
145                 405
148 <210> SEQ ID NO: 2
149 <211> LENGTH: 408
150 <212> TYPE: PRT
151 <213> ORGANISM: Artificial Sequence
153 <220> FEATURE:
154 <221> NAME/KEY: VARIANT
155 <222> LOCATION: 54, 55, 56, 57
156 <223> OTHER INFORMATION: Xaa = Any Amino Acid
158 <220> FEATURE:
159 <223> OTHER INFORMATION: synthetic oligonucleotide
161 <400> SEQUENCE: 2
162 Met Glu Ser Gly Ser Pro Glu Ile Glu Lys Leu Ser Gln Ser Asp Ile
163  1               5                  10                  15
164 Tyr Trp Asp Ser Met Val Ser Ile Thr Glu Thr Gly Val Glu Glu Val
165             20                  25                  30
166 Phe Asp Leu Thr Val Pro Gly Pro His Asn Phe Val Ala Asn Asp Ile
167         35                  40                  45
W--> 168 Ile Val His Asn Ser Xaa Xaa Xaa Xaa Cys Ile Ser Gly Asp Ser Leu
169     50                  55                  60
170 Ile Ser Leu Ala Ser Thr Gly Lys Arg Val Ser Ile Lys Asp Leu Leu
171 65                  70                  75                  80
172 Asp Glu Lys Asp Phe Glu Ile Trp Ala Ile Asn Glu Gln Thr Met Lys
173                 85                  90                  95
174 Leu Glu Ser Ala Lys Val Ser Arg Val Phe Cys Thr Gly Lys Lys Leu
175             100                 105                 110
176 Val Tyr Ile Leu Arg Thr Arg Leu Gly Arg Thr Ile Lys Ala Thr Ala
177         115                 120                 125
178 Asn His Arg Phe Leu Thr Ile Asp Gly Trp Lys Arg Leu Asp Glu Leu
179     130                 135                 140
180 Ser Leu Lys Glu His Ile Ala Leu Pro Arg Lys Leu Glu Ser Ser Ser
181 145                 150                 155                 160
182 Leu Gln Leu Gly Leu Arg Gly Gln Ile Asp Val Ser Lys Gly Glu Glu
183                 165                 170                 175
184 Leu Phe Thr Gly Val Val Pro Ile Leu Val Glu Leu Asp Gly Asp Val
185             180                 185                 190
186 Asn Gly His Lys Phe Ser Val Ser Gly Glu Gly Glu Gly Asp Ala Thr
187         195                 200                 205
```

this is not an oligonucleotide sequence

RAW SEQUENCE LISTING DATE: 12/28/2006
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Input Set : **F:\seqlist.txt**
Output Set: **N:\CRF4\12282006\J533144A.raw**

```
188 Tyr Gly Lys Leu Thr Leu Lys Phe Ile Cys Thr Thr Gly Lys Leu Pro
189     210                 215                 220
190 Val Pro Trp Pro Thr Leu Val Thr Thr Leu Thr His Gly Val Gln Cys
191 225                 230                 235                 240
192 Phe Ser Arg Tyr Pro Asp His Met Lys Gln His Asp Phe Phe Lys Ser
193                 245                 250                 255
194 Ala Met Pro Glu Gly Tyr Val Gln Glu Arg Thr Ile Phe Phe Lys Asp
195             260                 265                 270
196 Asp Gly Asn Tyr Lys Thr Arg Ala Glu Val Lys Phe Glu Gly Asp Thr
197         275                 280                 285
198 Leu Val Asn Arg Ile Glu Leu Lys Gly Ile Asp Phe Lys Glu Asp Gly
199     290                 295                 300
200 Asn Ile Leu Gly His Lys Leu Glu Tyr Asn Phe Asn Ser His Asn Val
201 305                 310                 315                 320
202 Tyr Ile Met Ala Asp Lys Gln Lys Asn Gly Ile Lys Ala Asn Phe Lys
203                 325                 330                 335
204 Ile Arg His Asn Ile Glu Asp Gly Ser Val Gln Leu Ala Asp His Tyr
205             340                 345                 350
206 Gln Gln Asn Thr Pro Ile Gly Asp Gly Pro Val Leu Leu Pro Asp Asn
207         355                 360                 365
208 His Tyr Leu Ser Thr Gln Ser Ala Leu Ser Lys Asp Pro Asn Glu Lys
209     370                 375                 380
210 Arg Asp His Met Val Leu Leu Glu Phe Val Thr Ala Ala Gly Ile Thr
211 385                 390                 395                 400
212 Leu Gly Met Asp Glu Leu Tyr Lys
213                 405
216 <210> SEQ ID NO: 3
217 <211> LENGTH: 5
218 <212> TYPE: PRT
219 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
222 <223> OTHER INFORMATION: synthetic peptide
224 <400> SEQUENCE: 3
225 Gly Ser Gly Gly Ser
226  1               5
229 <210> SEQ ID NO: 4
230 <211> LENGTH: 4
231 <212> TYPE: PRT
232 <213> ORGANISM: Artificial Sequence
234 <220> FEATURE:
235 <223> OTHER INFORMATION: synthetic peptide
237 <400> SEQUENCE: 4
238 Ala Gly Pro Ile
239  1
```

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 12/28/2006
PATENT APPLICATION: **US/10/533,144A** TIME: 10:18:25

Input Set : **F:\seqlist.txt**
Output Set: **N:\CRF4\12282006\J533144A.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 160,161,162,163,164,165,166,167,168,169,170,171
Seq#:1; Xaa Pos. 54,55,56,57
Seq#:2; Xaa Pos. 54,55,56,57

VERIFICATION SUMMARY DATE: 12/28/2006
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Input Set : **F:\seqlist.txt**
Output Set: **N:\CRF4\12282006\J533144A.raw**

L:55 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:144
M:341 Repeated in SeqNo=1
L:168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:48